



Showcasing research from Professor Chen and Yu's laboratory, Department of Materials Engineering, Ming Chi University of Technology, New Taipei City, Taiwan R.O.C.

High-efficiency all-polymer ternary blends enable exceptional thermal stability in organic photovoltaics

Highly stable inverted all-polymer OPVs with a PBQx-TF:D18:PY-IT ternary blend were fabricated *via* sequential deposition. The ternary devices outperformed binary counterparts due to improved morphology, balanced charge transport, and demonstrated excellent thermal stability, retaining 80% of their initial PCE after 1500 hours at 120 °C.

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See Yang-Yen Yu,
Chih-Ping Chen *et al.*,
J. Mater. Chem. A, 2025, **13**, 27152.